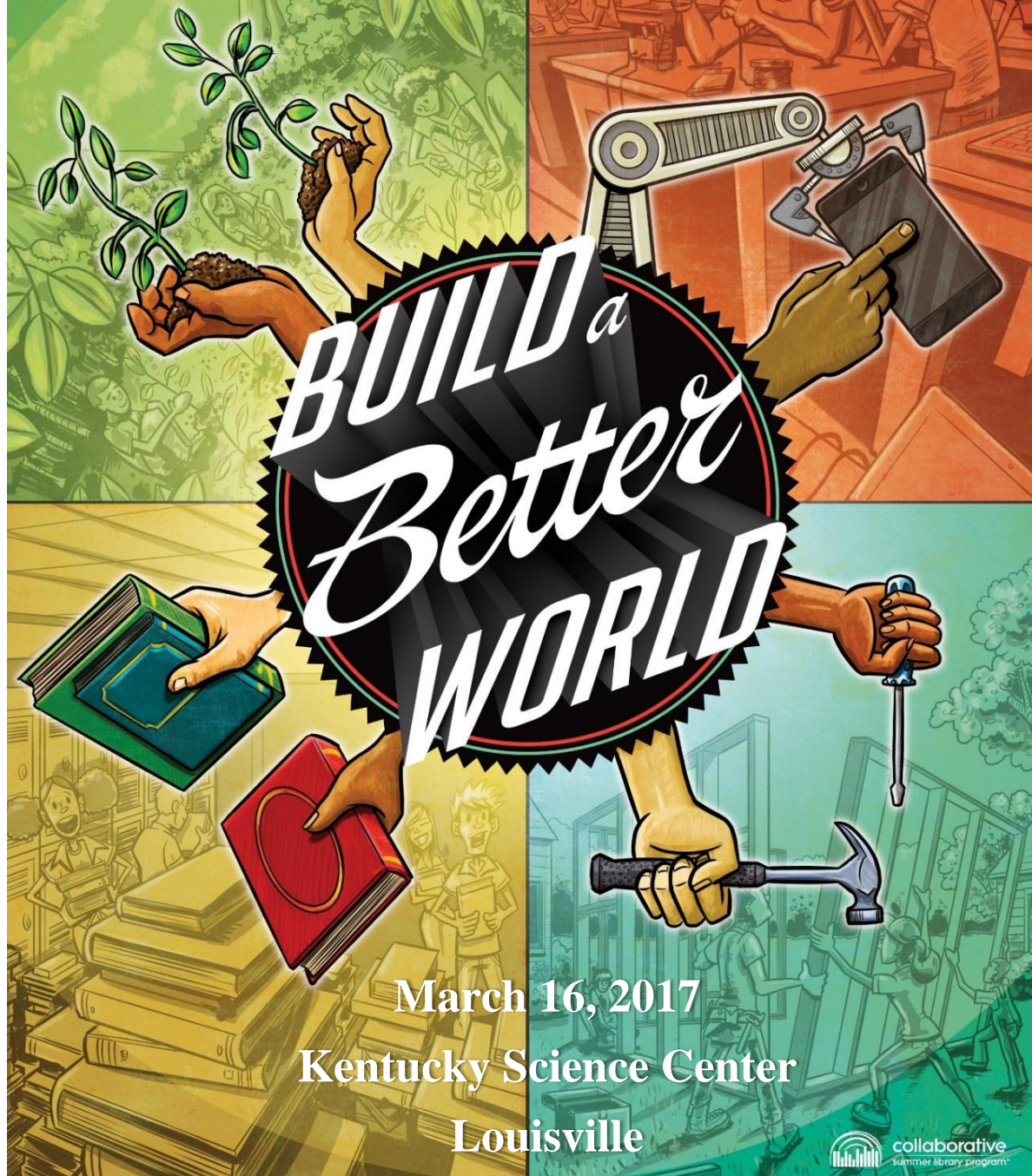


Kentucky Department for Libraries and Archives
Summer Reading S.T.E.M. Refresher



March 16, 2017
Kentucky Science Center
Louisville

Thank You

Kentucky Science Center

KMAC Museum

Kentucky Association for Environmental Education

Kentucky Department of Education

Kentucky Historical Society

Kentucky Summer Food Service Program

National Center for Families Learning

Rosenthal Center for Contemporary Art, Cincinnati

...and all of our Public Library Staff presenters!

KDLA Conference Agreement

KDLA is strongly committed to diversity, equity and the free expression of ideas.

KDLA seeks to provide a conference environment in which diverse participants may learn, network and enjoy the company of colleagues in an environment of mutual human respect. We recognize a shared responsibility to create and hold that environment for the benefit of all.

Speakers are asked to frame discussions as openly and inclusively as possible and to be aware of how language or images may be perceived by others. Participants asked to stop a hostile or harassing behavior are expected to comply immediately. Conference participants seek to learn, network, and have fun. Please do so responsibly and with respect for the right of others to do likewise.*

*Adapted from the ALA Statement of Appropriate Conduct at Conferences
<http://alaac15.ala.org/statement-of-appropriate-conduct>

Conference Guide-at-a-Glance

Morning Sessions – choose 1 per hour:

	Riverview Main Room (4th Floor)	Chemistry Kitchen (2nd Floor)	Science Education Classroom Wing (SEW – 1st Floor)	Riverview East (4th Floor)
9:00-9:50 a.m.	Preschool Program Kentucky Science Center Staff	World We Create/ Makerplace Kentucky Science Center Staff	Science at Your Site Kentucky Science Center Staff	KSC Outreach Program & KDLA Partner Exhibits
10:00-10:50 a.m.	School Age Program Kentucky Science Center Staff	World We Create/ Makerplace Kentucky Science Center Staff	Science at Your Site Kentucky Science Center Staff	KSC Outreach Program & KDLA Partner Exhibits
11:00-11:50 a.m.	Teen Program Kentucky Science Center Staff	World We Create/ Makerplace Kentucky Science Center Staff	Science at Your Site Kentucky Science Center Staff	KSC Outreach Program & KDLA Partner Exhibits

***Catered Boxed Lunch will be provided from noon until the start of afternoon break-out sessions.**

Afternoon Sessions – choose 1 per hour:

	Riverview Main Room (4th Floor)	Classroom 1 & 2 (Lower Level)	Science Education Classroom Wing (SEW – 1st Floor)
1:00 – 1:50 p.m.	Build a Better World with Science - an Overview Kentucky Department of Education	Camp Wonderopolis National Center for Families Learning	Dollar Store S.T.E.A.M. Oldham County Public Library
2:00 – 2:50 p.m.	Build a Better World with Science – Practical Examples Kentucky Department of Education	S.T.E.M. Reader’s Advisory Boone County Public Library	Leaves on STEMs Kenton County Public Library
3:00 – 3:50 p.m.	ART Today, STEAM Tomorrow Contemporary Arts Center	Summer Feeding Win/Win Kentucky Department of Education	How-To: Traveling Science Exhibits Boone County Public Library

Conference Session Descriptions

- **Registration opens at 7:45 a.m.**
- **Kentucky Science Center Outreach & KDLA Partner Exhibits – Riverview East/ A.M. only**
- **Continental Breakfast opens at 8:00 a.m. – Riverview East**
- **Opening Remarks begin at 8:30 a.m. – Riverview Main**

Break-out Sessions/ 9:00-9:50 a.m.

Preschool Focus

Kentucky Science Center Education Staff

Kentucky Science Center education staff share insights into integrating science and math into the preschool classroom. Through examples such as its newest early childhood exhibit, Science in Play, see how the Science Center can collaborate with your library to bring programs and activities directly to you. Using their successful “Explore-Create-Share” model, participants will find out how to focus lesson plans on the processes and critical thinking skills behind STEM learning. Observation and investigation, building and creating, and communication are stressed.

Riverview Main (4th Floor)

World We Create/Makerplace

Kentucky Science Center Education Staff

Discover how the Science Center incorporates the Maker-movement into its core exhibits. Through hands on activities, participants can find out how to start, expand or enhance their own maker space in their library that meets the needs for a variety of ages and interests- without the need for expensive equipment and supplies! Learn more about the Center’s traveling *Makerplace* offsite program.

Chemistry Kitchen (2nd Floor)

Science at Your Site

Kentucky Science Center Education Staff

The Kentucky Science Center has a wide variety of offsite, turnkey programs. This activity allows active, hands on participation in an in-depth sampling of open-ended experiments and activities featured in its *Science At Your Site* traveling programs that are available to all libraries throughout the state.

Science Education Wing Classrooms (1st Floor)

Break-out Sessions/ 10:00-10:50 a.m.

School Age Focus

Kentucky Science Center Education Staff

Explore how to integrate literacy into STEAM-based exploration using interactive problem-based experiences. Through its successful *Science at Your Site* series, discover the variety of off-site festivals, expos and workshops the Science Center offers to help enhance and extend literacy through interactive activities that explore the science behind children’s favorite books.

Riverview Main (4th Floor)

World We Create/Makerplace

Kentucky Science Center Education Staff

Chemistry Kitchen (2nd Floor)

Science at Your Site

Kentucky Science Center Education Staff

Science Education Wing Classrooms (1st Floor)

Break-out Sessions/ 11:00 -11:50 a.m.**Teen Focus**

Kentucky Science Center Education Staff

Examine the variety of program options for middle and high school students offered by the Kentucky Science Center. Discover opportunities to collaborate with the Science Center on its statewide initiatives such as “teen science café’s” to engage teens in programs that emphasize STEAM based learning experiences to strengthen collaboration, innovation and leadership skills.

Riverview Main (4th Floor)

World We Create/Makerplace

Kentucky Science Center Education Staff

Chemistry Kitchen (2nd Floor)

Science at Your Site

Kentucky Science Center Education Staff

Science Education Wing Classrooms (1st Floor)

Break

12:00 p.m. – 1:00 p.m.

Boxed Lunch by Bristol Catering

Riverview Main & Riverview East (4th Floor)

Break-out Sessions/ 1:00-1:50 p.m.**Build a Better World with Science - an Overview**

Rae McEntyre, rae.mcentyre@education.ky.gov

Kathy Mansfield, kathy.mansfield@education.ky.gov

Kentucky Department of Education

Join us as we briefly explore the Kentucky Academic Standards for Science. You will learn about resources and their use as you support science education in Kentucky through the Summer Reading Program. This session is a general overview.

Riverview Main (4th Floor)

Enhance Your Summer Reading Program with Camp Wonderopolis Online

John MacLeod, jmacleod@familieslearning.org

National Center for Families Learning (Louisville)

Check out Camp Wonderopolis – a free online learning platform that provides an innovative way to tackle summer “brain drain” while building vocabulary, background knowledge, critical thinking skills, and other literacy skills. Participants will learn how Camp Wonderopolis engages youth and families throughout the school year, summer, and out-of-school time in literacy and S.T.E.M.-based content boosted by maker experiments.

Classroom 1 & 2 (Lower Level)

Dollar Store S.T.E.A.M.

Julie Wilson, juliew@oldhampl.org

Oldham County Public Library

You don't need to have a huge budget to draw huge numbers to your S.T.E.A.M. programs. Successful, regularly attended S.T.E.A.M. programming can be done with creativity, ingenuity, and The Dollar Store. This session will give you S.T.E.A.M. programs, activities, and ideas using recycled and low cost items.

Science Education Wing Classrooms (1st Floor)

Break-out Sessions/ 2:00-2:50 p.m.**Build a Better World with Science – Practical Examples**

Rae McEntyre, rae.mcentyre@education.ky.gov

Kathy Mansfield, kathy.mansfield@education.ky.gov

Kentucky Department of Education

Join us as we explore some of the web resource recommendations from CSLP. Using these resources, we will show you how they connect to the Kentucky Academic Standards for Science and the use of standards-related resources that you can emulate. Participation in the earlier Overview session is not mandatory, but recommended.

Riverview Main (4th Floor)

S.T.E.M. Reader's Advisory

Ally Doerman, adoerman@bcpl.org

Ginger Stapp, gstapp@bcpl.org

Boone County Public Library

STEM the tide of scientific illiteracy with titles for toddlers to teens!

Classroom 1 & 2 (Lower Level)

Leaves on STEMs: Using Environmental Education (EE) in S.T.E.M. Programming

Jennifer Beach, jennifer.beach@kentonlibrary.org

Kenton County Public Library

This presentation will provide an overview of ways to include Environmental Education in STEM/STEAM programming. EE curricula and how to get training will be covered; a hands-on example of a simple, fun ways to enhance your programs with EE will be included.

Science Education Wing Classrooms (1st Floor)

Break-out Sessions/ 3:00-3:50 p.m.**The Art of Today and the Science of Tomorrow = S.T.E.A.M.**

Jaime Thompson, jthompson@contemporaryartscenter.org

Elizabeth Hardin-Klink, ehardin-klink@contemporaryartscenter.org

Contemporary Arts Center (Cincinnati)

Contemporary artists embrace the hot topics and media of our time, so it should come as no surprise that many have embraced technology. Inspired by the ever changing exhibits at the Contemporary Arts Center, educators Elizabeth Hardin-Klink and Jaime Thompson developed a practice that seamlessly integrates STEM into STEAM. During this hands-on presentation they will share a few contemporary artists inspirations and discuss how they develop projects for various audiences and skill levels.

Riverview Main (4th Floor)

Partnership Between the Summer Food Service Program and Public Libraries – a Win/Win

Cathy Gallagher, cathy.gallagher@education.ky.gov

Kentucky Department of Education, Summer Food Service Program

Come learn more about the partnership between the Summer Food Service Program and Public Libraries and learn what this program can do for the children and youth in your community. In 2016, we had 30% more Public Libraries in our program than the year before!

Classroom 1 & 2 (Lower Level)

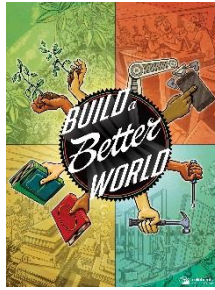
The Good, the Bad, and the Meh: Find the Right Traveling Exhibit for your Library

Shawn Fry, sfry@bcpl.org

Boone County Public Library

Traveling exhibits immediately engage your public. Shawn Fry, Assistant Director at Boone County Public Library, will explain the lessons learned from the process of contacting, selecting, and programming around traveling exhibits.

Science Education Wing Classrooms (1st Floor)



Summer Reading S.T.E.M. Refresher
March 16, 2017
Louisville, Kentucky

Kentucky Department for Libraries and Archives will award training contact hours to Kentucky public librarians working on certification renewal. Please complete this form as instructed below.

Name _____ Title _____
 Library _____

Check off the corresponding box to identify sessions attended.

Conference Session:		CH	Earned CH
9-9:50 a.m.	Preschool Program	1	_____
9-9:50 a.m.	World We Create/Makerplace	1	_____
9-9:50 a.m.	Science at Your Site	1	_____
10-10:50 a.m.	School Age Program	1	_____
10-10:50 a.m.	World We Create/Makerplace	1	_____
10-10:50 a.m.	Science at Your Site	1	_____
11-11:50 a.m.	Teen Program	1	_____
11-11:50 a.m.	World We Create/Makerplace	1	_____
11-11:50 a.m.	Science at Your Site	1	_____
1-1:50 p.m.	Build a Better World with Science-an Overview	1	_____
1-1:50 p.m.	Camp Wonderopolis	1	_____
1-1:50 p.m.	Dollar Store S.T.E.A.M.	1	_____
2-2:50 p.m.	Build a Better World w/ Science-Practical Examples	1	_____
2-2:50 p.m.	S.T.E.M. Reader's Advisory	1	_____
2-2:50 p.m.	Leaves on STEMs	1	_____
3-3:50 p.m.	ART Today, STEAM Tomorrow	1	_____
3-3:50 p.m.	Summer Feeding Win/Win	1	_____
3-3:50 p.m.	How-To: Traveling Science Exhibits	1	_____

Total Hours Earned _____